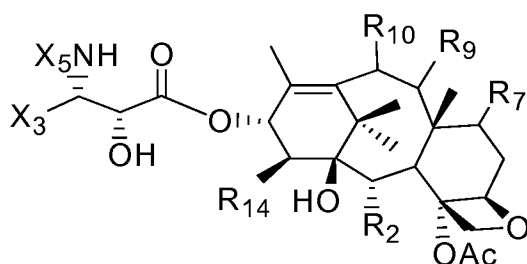


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1. (currently amended) A taxane having the formula



R₂ is acyloxy;

R₇ is hydroxy;

R₉ is keto, hydroxy, or acyloxy;

R₁₀ is R_{10a}COO⁻;

R_{10a} is hydrocarbyl, substituted hydrocarbyl, or heterocyclo wherein said hydrocarbyl or substituted hydrocarbyl contains carbon atoms in the alpha and beta positions relative to the carbon atom of which R_{10a} is a substituent and said heterocyclo is bonded to the carbonyl carbon of R_{10a}COO⁻ through a ring carbon atom;

R₁₄ is ~~hydride~~ hydrogen or hydroxy;

X₃ is heterocyclo;

X₅ is -COX₁₀, -COOX₁₀, or -CONHX₁₀;

X₁₀ is hydrocarbyl, substituted hydrocarbyl, or heterocyclo; and

Ac is acetyl.

2. (original) The taxane of claim 1 wherein R_{10a} is substituted or unsubstituted C₂ - C₈ alkyl, C₂ - C₈ alkenyl or C₂ - C₈ alkynyl.

3. (previously presented) The taxane of claim 2 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.
4. (original) The taxane of claim 2 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.
5. (canceled)
6. (currently amended) The taxane of claim 2 wherein R_{14} is ~~hydride~~ hydrogen.
7. (previously presented) The taxane of claim 6 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.
8. (original) The taxane of claim 6 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.
9. (canceled)
10. (original) The taxane of claim 2 wherein R_2 is benzoyloxy.
11. (previously presented) The taxane of claim 10 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

12. (original) The taxane of claim 10 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

13. (canceled)

14. (currently amended) The taxane of claim 2 wherein R_{14} is ~~hydride~~ hydrogen and R_9 is keto.

15. (previously presented) The taxane of claim 14 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

16. (original) The taxane of claim 14 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

17. (canceled)

18. (original) The taxane of claim 2 wherein R_2 is benzoyloxy and R_9 is keto.

19. (previously presented) The taxane of claim 18 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

20. (original) The taxane of claim 18 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

21. (canceled)

22. (currently amended) The taxane of claim 2 wherein R_{14} is ~~hydride~~ hydrogen and R_2 is benzoyloxy.

23. (previously presented) The taxane of claim 22 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

24. (original) The taxane of claim 22 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl or X_5 is $-\text{COOX}_{10}$ and X_{10} is substituted or unsubstituted $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl.

25. (canceled)

26. (currently amended) The taxane of claim 2 wherein R_{14} is ~~hydride~~ hydrogen, R_9 is keto, and R_2 is benzoyloxy.

27. (previously presented) The taxane of claim 26 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

28. (original) The taxane of claim 26 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl or X_5 is $-\text{COOX}_{10}$ and X_{10} is substituted or unsubstituted $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl.

29. (canceled)

30. (original) The taxane of claim 1 wherein R_{10a} is $\text{C}_2 - \text{C}_8$ alkyl.

31. (previously presented) The taxane of claim 30 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

32. (original) The taxane of claim 30 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

33. (canceled)

34. (currently amended) The taxane of claim 30 wherein R_{14} is ~~hydride~~
hydrogen.

35. (previously presented) The taxane of claim 34 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

36. (original) The taxane of claim 34 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

37. (canceled)

38. (original) The taxane of claim 30 wherein R_2 is benzoyloxy.

39. (previously presented) The taxane of claim 38 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

40. (original) The taxane of claim 38 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

41. (canceled)

42. (currently amended) The taxane of claim 30 wherein R_{14} is ~~hydride~~ hydrogen and R_9 is keto.

43. (previously presented) The taxane of claim 42 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

44. (original) The taxane of claim 42 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

45. (canceled)

46. (original) The taxane of claim 30 wherein R_2 is benzoyloxy and R_9 is keto.

47. (previously presented) The taxane of claim 46 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

48. (original) The taxane of claim 46 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

49. (canceled)

50. (currently amended) The taxane of claim 30 wherein R₁₄ is ~~hydride~~
hydrogen and R₂ is benzoyloxy.

51. (previously presented) The taxane of claim 50 wherein X₃ is 2-furyl, 3-furyl,
2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

52. (original) The taxane of claim 50 wherein X₅ is -COX₁₀ and X₁₀ is substituted
or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl,
C₁ - C₈ alkyl, C₂ - C₈ alkenyl, or C₂ - C₈ alkynyl or X₅ is -COOX₁₀ and X₁₀ is substituted
or unsubstituted C₁ - C₈ alkyl, C₂ - C₈ alkenyl, or C₂ - C₈ alkynyl.

53. (canceled)

54. (currently amended) The taxane of claim 30 wherein R₁₄ is ~~hydride~~
hydrogen, R₉ is keto, and R₂ is benzoyloxy.

55. (previously presented) The taxane of claim 54 wherein X₃ is 2-furyl, 3-furyl,
2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

56. (original) The taxane of claim 54 wherein X₅ is -COX₁₀ and X₁₀ is substituted
or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl,
C₁ - C₈ alkyl, C₂ - C₈ alkenyl, or C₂ - C₈ alkynyl or X₅ is -COOX₁₀ and X₁₀ is substituted
or unsubstituted C₁ - C₈ alkyl, C₂ - C₈ alkenyl, or C₂ - C₈ alkynyl.

57. (canceled)

58. (original) The taxane of claim 1 wherein R_{10a} is ethyl.

59. (previously presented) The taxane of claim 58 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

60. (original) The taxane of claim 58 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

61. (canceled)

62. (currently amended) The taxane of claim 58 wherein R_{14} is ~~hydride~~
hydrogen.

63. (previously presented) The taxane of claim 62 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

64. (original) The taxane of claim 62 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

65. (canceled)

66. (original) The taxane of claim 58 wherein R_2 is benzoyloxy.

67. (previously presented) The taxane of claim 66 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

68. (original) The taxane of claim 66 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl or X_5 is $-\text{COOX}_{10}$ and X_{10} is substituted or unsubstituted $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl.

69. (canceled)

70. (currently amended) The taxane of claim 58 wherein R_{14} is ~~hydride~~ hydrogen and R_9 is keto.

71. (previously presented) The taxane of claim 70 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

72. (original) The taxane of claim 70 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl or X_5 is $-\text{COOX}_{10}$ and X_{10} is substituted or unsubstituted $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl.

73. (canceled)

74. (original) The taxane of claim 58 wherein R_2 is benzoyloxy and R_9 is keto.

75. (previously presented) The taxane of claim 74 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

76. (original) The taxane of claim 74 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl or X_5 is $-\text{COOX}_{10}$ and X_{10} is substituted or unsubstituted $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl.

77. (canceled)

78. (currently amended) The taxane of claim 58 wherein R₁₄ is ~~hydride~~
hydrogen and R₂ is benzoyloxy.

79. (previously presented) The taxane of claim 78 wherein X₃ is 2-furyl, 3-furyl,
2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

80. (original) The taxane of claim 78 wherein X₅ is -COX₁₀ and X₁₀ is substituted
or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl,
C₁ - C₈ alkyl, C₂ - C₈ alkenyl, or C₂ - C₈ alkynyl or X₅ is -COOX₁₀ and X₁₀ is substituted
or unsubstituted C₁ - C₈ alkyl, C₂ - C₈ alkenyl, or C₂ - C₈ alkynyl.

81. (canceled)

82. (currently amended) The taxane of claim 58 wherein R₁₄ is ~~hydride~~
hydrogen, R₉ is keto, and R₂ is benzoyloxy.

83. (previously presented) The taxane of claim 82 wherein X₃ is 2-furyl, 3-furyl,
2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

84. (original) The taxane of claim 82 wherein X₅ is -COX₁₀ and X₁₀ is substituted
or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl,
C₁ - C₈ alkyl, C₂ - C₈ alkenyl, or C₂ - C₈ alkynyl or X₅ is -COOX₁₀ and X₁₀ is substituted
or unsubstituted C₁ - C₈ alkyl, C₂ - C₈ alkenyl, or C₂ - C₈ alkynyl.

85. (canceled)

86. (original) The taxane of claim 82 wherein X₅ is -COOX₁₀ and X₁₀ is t-butyl.

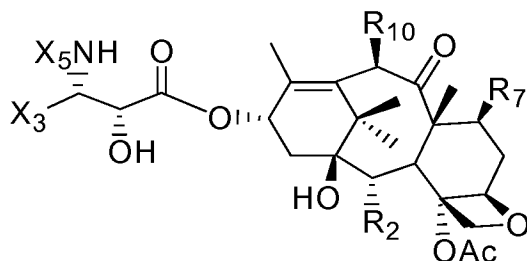
87. (previously presented) The taxane of claim 86 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

88. (original) The taxane of claim 86 wherein X_3 is 2-furyl.

89. (original) The taxane of claim 86 wherein X_3 is 2-thienyl.

90. (canceled)

91. (currently amended) A taxane having the formula



R_2 is benzoyloxy;

R_7 is hydroxy;

R_{10} is $R_{10a}COO^-$;

X_3 is heterocyclo;

X_5 is $-COX_{10}$, $-COOX_{10}$, or $-CONHX_{10}$;

X_{10} is hydrocarbyl, substituted hydrocarbyl, or heterocyclo; and

R_{10a} is hydrocarbyl, substituted hydrocarbyl, or heterocyclo wherein said hydrocarbyl or substituted hydrocarbyl contains carbon atoms in the alpha and beta positions relative to the carbon of which R_{10a} is a substituent and said heterocyclo is bonded to the carbonyl carbon of $R_{10a}COO^-$ through a ring carbon atom; and

Ac is acetyl.

92. (original) The taxane of claim 91 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl or 4-pyridyl.

93. (original) The taxane of claim 92 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl, or X_5 is $-\text{COOX}_{10}$ and X_{10} is substituted or unsubstituted $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl.

94. (canceled)

95. (original) The taxane of claim 91 wherein X_3 is furyl or thienyl.

96. (original) The taxane of claim 95 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl, or X_5 is $-\text{COOX}_{10}$ and X_{10} is substituted or unsubstituted $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl.

97. (canceled)

98. (original) The taxane of claim 91 wherein R_{10a} is ethyl or propyl.

99. (original) The taxane of claim 98 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl or 4-pyridyl.

100. (original) The taxane of claim 99 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl, or X_5 is $-\text{COOX}_{10}$ and X_{10} is substituted or unsubstituted $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl.

101. (original) The taxane of claim 99 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is phenyl, or X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl.

102. (original) The taxane of claim 98 wherein X_3 is furyl or thienyl.

103. (original) The taxane of claim 102 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl, or X_5 is $-\text{COOX}_{10}$ and X_{10} is substituted or unsubstituted $\text{C}_1 - \text{C}_8$ alkyl, $\text{C}_2 - \text{C}_8$ alkenyl, or $\text{C}_2 - \text{C}_8$ alkynyl.

104. (original) The taxane of claim 91 wherein X_3 is substituted or unsubstituted furyl, R_{10a} is ethyl, and X_5 is $-\text{COX}_{10}$ and X_{10} is phenyl, or X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl.

105. (original) The taxane of claim 91 wherein X_3 is substituted or unsubstituted thienyl, R_{10a} is ethyl, and X_5 is $-\text{COX}_{10}$ and X_{10} is phenyl, or X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl.

106. (original) The taxane of claim 91 wherein X_3 is 2-furyl or 2-thienyl, R_{10a} is ethyl, X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl.

107. (original) The taxane of claim 91 wherein X_3 is 2-furyl, R_{10a} is ethyl, X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl.

108. (original) The taxane of claim 91 wherein X_3 is 2-thienyl, R_{10a} is ethyl, X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl.

109. (original) A pharmaceutical composition comprising the taxane of claim 1 and at least one pharmaceutically acceptable carrier.

110. (previously presented) The pharmaceutical composition of claim 109 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

111. (original) The pharmaceutical composition of claim 110 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

112. (canceled)

113. (original) The pharmaceutical composition of claim 109 wherein R_{10a} is ethyl or propyl.

114. (previously presented) The pharmaceutical composition of claim 113 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

115. (original) The pharmaceutical composition of claim 114 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

116. (canceled)

117. (original) The pharmaceutical composition of claim 110 wherein X_3 is furyl or thienyl, R_{10a} is ethyl, and X_5 is $-COX_{10}$ and X_{10} is phenyl, or X_5 is $-COOX_{10}$ and X_{10} is t-butyl.

118. (original) The pharmaceutical composition of claim 110 wherein X_3 is substituted or unsubstituted furyl, R_{10a} is ethyl, and X_5 is $-COX_{10}$ and X_{10} is phenyl, or X_5 is $-COOX_{10}$ and X_{10} is t-butyl.

119. (original) The pharmaceutical composition of claim 110 wherein X_3 is substituted or unsubstituted thienyl, R_{10a} is ethyl, and X_5 is $-COX_{10}$ and X_{10} is phenyl, or X_5 is $-COOX_{10}$ and X_{10} is t-butyl.

120 -121. (canceled)

122. (original) The pharmaceutical composition of claim 110 wherein X_3 is 2-furyl or 2-thienyl, R_{10a} is ethyl, X_5 is $-COOX_{10}$ and X_{10} is t-butyl.

123. (original) The pharmaceutical composition of claim 110 wherein X_3 is 2-furyl, R_{10a} is ethyl, X_5 is $-COOX_{10}$ and X_{10} is t-butyl.

124. (original) The pharmaceutical composition of claim 110 wherein X_3 is 2-thienyl, R_{10a} is ethyl, X_5 is $-COOX_{10}$ and X_{10} is t-butyl.

125 -126. (canceled)

127. (original) A pharmaceutical composition comprising the taxane of claim 91 and at least one pharmaceutically acceptable carrier.

128. (original) A pharmaceutical composition comprising the taxane of claim 95 and at least one pharmaceutically acceptable carrier.

129. (original) A composition for oral administration comprising the taxane of claim 1 and at least one pharmaceutically acceptable carrier.

130. (previously presented) The composition of claim 129 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

131. (original) The composition of claim 130 wherein R_{10a} is ethyl or propyl.

132. (canceled)

133. (original) The composition of claim 131 wherein R_{14} is hydrogen, R_2 is benzoyloxy, and X_5 is $-\text{COX}_{10}$ wherein X_{10} is phenyl, or X_5 is $-\text{COOX}_{10}$ wherein X_{10} is t-butyl.

134 -136. (canceled)

137. (original) A method of inhibiting tumor growth in mammals, said method comprising orally administering a therapeutically effective amount of a pharmaceutical composition comprising the taxane of claim 1 and at least one pharmaceutically acceptable carrier.

138. (previously presented) The method of claim 137 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, or 4-pyridyl.

139. (original) The method of claim 138 wherein R_{10a} is ethyl or propyl.

140. (original) The method of claim 139 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is phenyl, or X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl.

141. (original) The method of claim 140 wherein R_{14} is hydrogen and R_2 is benzoyloxy.

142 -143. (canceled)

144. (original) The method of claim 141 wherein X_3 is furyl or thienyl; R_{10a} is ethyl; and X_5 is $-\text{COX}_{10}$ and X_{10} is phenyl.

145. (canceled)

146. (original) The taxane of claim 1 wherein R_{10a} is propyl, X_3 is 2-furyl, and X_5 is $-COX_{10}$ and X_{10} is propyl, trans-propenyl, butenyl, 2-thienyl or 2-furyl, or X_5 is $-COOX_{10}$ and X_{10} is ethyl, isopropyl or isobutyl.

147. (original) The taxane of claim 1 wherein R_{10a} is propyl, X_3 is 2-thienyl, and X_5 is $-COX_{10}$ and X_{10} is propyl, trans-propenyl, isobutenyl, butenyl, phenyl, 2-thienyl, 2-furyl or 3-pyridyl, or X_5 is $-COOX_{10}$ and X_{10} is ethyl, isopropyl or isobutyl.

148. (original) The taxane of claim 1 wherein R_{10a} is propyl, X_3 is 3-furyl, and X_5 is $-COX_{10}$ and X_{10} is trans-propenyl, or X_5 is $-COOX_{10}$ and X_{10} is isobutyl.

149. (original) The taxane of claim 1 wherein R_{10a} is propyl, X_3 is 3-thienyl, and X_5 is $-COOX_{10}$ and X_{10} is isobutyl.

150. (original) The taxane of claim 1 wherein R_{10a} is cyclopropyl, X_3 is 2-furyl, and X_5 is $-COX_{10}$ and X_{10} is propyl, trans-propenyl, butenyl, phenyl, 2-thienyl or 2-furyl, or X_5 is $-COOX_{10}$ and X_{10} is ethyl, isopropyl, isobutyl or t-butyl.

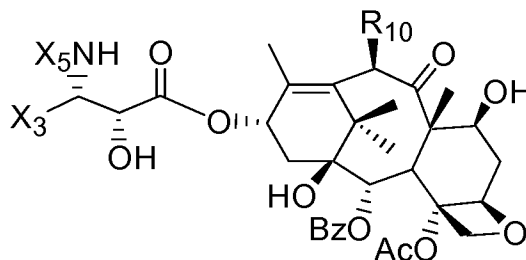
151. (original) The taxane of claim 1 wherein R_{10a} is cyclopropyl, X_3 is 2-thienyl, and X_5 is $-COX_{10}$ and X_{10} is propyl, trans-propenyl, butenyl, isobutenyl, phenyl, 2-thienyl, 2-furyl or 3-pyridyl or X_5 is $-COOX_{10}$ and X_{10} is ethyl, isopropyl, isobutyl or t-butyl.

152. (original) The taxane of claim 1 wherein R_{10a} is cyclopropyl, X_3 is 3-furyl or 3-thienyl, and X_5 is $-COX_{10}$ and X_{10} is trans-propenyl or phenyl, or X_5 is $-COOX_{10}$ and X_{10} is isobutyl or t-butyl.

153. (original) The taxane of claim 1 wherein R_{10a} is cyclopropyl, X_3 is 2-pyridyl or 4-pyridyl, and X_5 is $-COX_{10}$ and X_{10} is phenyl, or X_5 is $-COOX_{10}$ and X_{10} is t-butyl.

154. (original) The taxane of claim 1 wherein R_{10a} is ethyl, X_3 is 2-furyl, and X_5 is $-\text{COOX}_{10}$ and X_{10} is t-amyl.

155. (original) A taxane having the formula



R_{10} is $R_{10a}\text{COO}-$;

R_{10a} is ethyl;

X_3 is isopropyl, cyclopropyl, cyclobutyl, cyclopentyl, 2-thienyl, 3-thienyl, 2-furyl, 3-furyl, 2-pyridyl, 3-pyridyl or 4-pyridyl;

X_5 is $-\text{COX}_{10}$ and X_{10} is propyl, butenyl, isobutenyl, phenyl, 2-thienyl, 2-furyl, 3-pyridyl or 4-pyridyl or X_5 is $-\text{COOX}_{10}$ and X_{10} is ethyl, isopropyl, isobutyl or t-butyl; and Ac is acetyl.

156. (original) The taxane of claim 155 wherein X_3 is 2-thienyl, 3-thienyl, 2-furyl or 3-furyl.

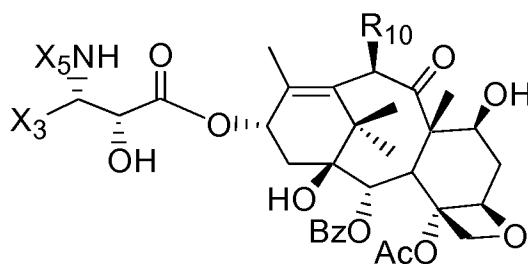
157. (original) The taxane of claim 155 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is propyl or phenyl or X_5 is $-\text{COOX}_{10}$ and X_{10} is isopropyl, isobutyl or t-butyl.

158. (original) The taxane of claim 155 wherein X_3 is 2-thienyl.

159. (original) The taxane of claim 155 wherein X_3 is 2-furyl.

160. (original) The taxane of claim 91 wherein R_{10a} is ethyl, X_3 is 2-thienyl, 2-furyl or 3-furyl, and X_5 is $-\text{COX}_{10}$ and X_{10} is trans-propenyl.

161. (original) A taxane having the formula



R_{10} is $R_{10a}\text{COO}-$;

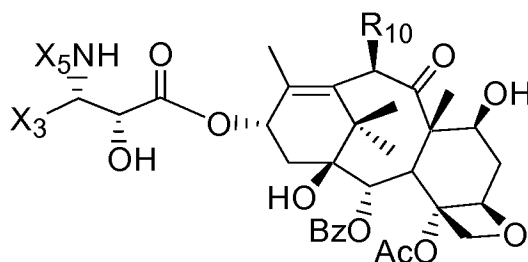
R_{10a} is propyl;

X_3 is isopropyl, cyclopropyl, cyclobutyl, 2-thienyl, 3-thienyl, 2-furyl, 3-furyl, 2-pyridyl, 3-pyridyl or 4-pyridyl;

X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl; and

Ac is acetyl.

162. (original) A taxane having the formula



R_{10} is $R_{10a}\text{COO}-$;

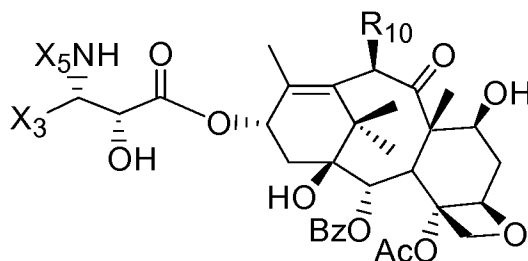
R_{10a} is 2-thienyl or 2-furyl;

X_3 is isopropyl, cyclobutyl, isobutenyl, 2-thienyl, 3-thienyl, 2-furyl, 3-furyl, 2-pyridyl, 3-pyridyl, 4-pyridyl or p-nitrophenyl;

X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl; and

Ac is acetyl.

163. (original) A taxane having the formula:



R_{10} is $R_{10a}COO^-$;

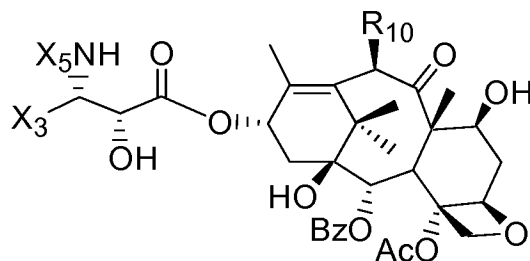
R_{10a} is isobutenyl;

X_3 is isobutenyl, 2-thienyl, 3-thienyl, 2-furyl, 3-furyl, 2-pyridyl or 4-pyridyl;

X_5 is $-COOX_{10}$ and X_{10} is t-butyl; and

Ac is acetyl.

164. (original) A taxane having the formula



R_{10} is $R_{10a}COO^-$;

R_{10a} is isopropyl or trans-propenyl;

X_3 is isopropyl, cyclobutyl, isobutenyl, 2-thienyl, 3-thienyl, 2-furyl, 3-furyl, 2-pyridyl, 4-pyridyl or p-nitrophenyl;

X_5 is $-COOX_{10}$ and X_{10} is t-butyl; and

Ac is acetyl.

165. (previously presented) The taxane of claim 91 wherein X_3 is heterocyclo substituted by one or more of the groups selected from hydrocarbyl, substituted hydrocarbyl, keto, hydroxy, protected hydroxy, acyl, acyloxy, alkoxy, alkenoxy, alkynoxy, aryloxy, halogen, amido, amino, nitro, cyano, thiol, ketals, acetals, esters and ethers.

166. (previously presented) The taxane of claim 91 wherein X_3 is heteroaryl.

167. (previously presented) The taxane of claim 166 wherein X_3 is furyl, thienyl, pyridyl, oxazolyl, pyrrolyl, indolyl, or isoquinoliny.

168. (previously presented) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is $\text{C}_1\text{-C}_8$ alkyl.

169. (previously presented) The taxane of claim 168 wherein X_{10} is ethyl or straight or cyclic propyl, butyl, pentyl or hexyl.

170. (previously presented) The taxane of claim 168 wherein X_{10} is branched propyl, pentyl or hexyl.

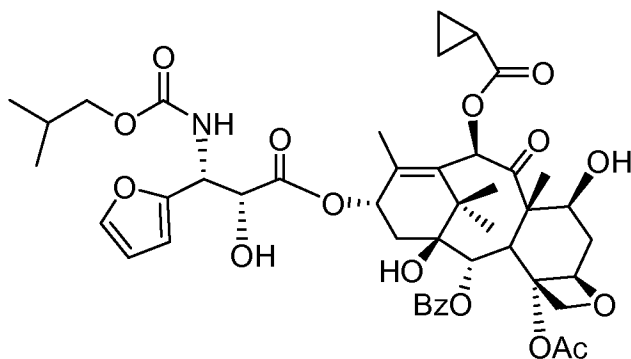
171. (previously presented) The taxane of claim 1 wherein R_9 is hydroxy.

172. (previously presented) The taxane of claim 1 wherein R_9 is acyloxy.

173. (previously presented) The taxane of claim 1 wherein R_{14} is hydroxy.

174. (previously presented) The taxane of claim 91 wherein R_{10a} is $\text{C}_2\text{-C}_6$ alkyl.

175. (previously presented) The taxane of claim 91 having the formula:



176. (new) The taxane of claim 1 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is $\text{C}_1 - \text{C}_8$ alkyl.

177. (new) The taxane of claim 176 wherein R_2 is benzoyloxy, R_9 is keto, and R_{14} is hydrogen.

178. (new) The taxane of claim 168 wherein R_2 is benzoyloxy, R_9 is keto, and R_{14} is hydrogen.

179. (new) The pharmaceutical composition of claim 111 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is $\text{C}_1 - \text{C}_8$ alkyl.

180. (new) The composition of claim 130 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is $\text{C}_1 - \text{C}_8$ alkyl.

181. (new) The method of claim 138 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is $\text{C}_1 - \text{C}_8$ alkyl.

182. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is ethyl, isobutyl, isopropyl, or tert-amyl, R_{10a} is ethyl, cyclopropyl, or propyl, and X_3 is 2-thienyl, 3-thienyl, 2-furyl, or 3-furyl.

183. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl, R_{10a} is ethyl, propyl, isopropyl, or trans-propenyl, and X_3 is 2-furyl or 3-furyl.

184. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl, R_{10a} is ethyl, propyl, isopropyl, or trans-propenyl, and X_3 is 2-thienyl or 3-thienyl.

185. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl, R_{10a} is 2-thienyl or 2-furyl, and X_3 is 2-furyl, 3-furyl, 2-thienyl, or 3-thienyl.

186. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is phenyl, R_{10a} is ethyl, and X_3 is 2-furyl, 3-furyl, 2-thienyl, or 3-thienyl.

187. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is ethyl, R_{10a} is ethyl, cyclopropyl, or propyl, and X_3 is 2-thienyl or 2-furyl.

188. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is 2-furyl or 2-thienyl, R_{10a} is ethyl, cyclopropyl, or propyl, and X_3 is 2-thienyl.

189. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl, R_{10a} is cyclopropyl, and X_3 is 2-furyl, 3-furyl, 2-thienyl, or 3-thienyl.

190. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is isobutyl, R_{10a} is cyclopropyl or propyl, and X_3 is 2-furyl or 3-furyl.

191. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is isobutyl, R_{10a} is cyclopropyl, propyl, or ethyl, and X_3 is 2-thienyl.

192. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is trans-propenyl, isobutenyl, or butenyl, R_{10a} is propyl, cyclopropyl, or ethyl, and X_3 is 2-thienyl.

193. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is butenyl or trans-propenyl, R_{10a} is propyl, cyclopropyl, or ethyl, and X_3 is 2-furyl.

194. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is trans-propenyl, R_{10a} is n-propyl, cyclopropyl, or ethyl, and X_3 is 3-furyl.

195. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is phenyl, R_{10a} is cyclopropyl, and X_3 is 2-furyl, 3-furyl, 2-thienyl, or 3-thienyl.

196. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is n-propyl, R_{10a} is cyclopropyl, ethyl, or propyl, and X_3 is 2-furyl.

197. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is n-propyl, R_{10a} is cyclopropyl or propyl, and X_3 is 2-thienyl.

198. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is isobutyl, R_{10a} is propyl, and X_3 is 2-furyl.

199. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is isobutyl, R_{10a} is n-propyl, cyclopropyl, or ethyl, and X_3 is 3-thienyl.

200. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is isopropyl, R_{10a} is ethyl, cyclopropyl, or propyl, and X_3 is 2-thienyl or 2-furyl.

201. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is t-butyl, R_{10a} is isobutenyl, and X_3 is 2-furyl, 3-furyl, 2-thienyl, or 3-thienyl.

202. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is 2-furyl or 2-thienyl, R_{10a} is ethyl, cyclopropyl, or propyl, and X_3 is 2-furyl.

203. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is trans-propenyl, R_{10a} is cyclopropyl, and X_3 is 3-thienyl.

204. (new) The taxane of claim 91 wherein X_5 is $-\text{COX}_{10}$ and X_{10} is phenyl, R_{10a} is propyl, and X_3 is 2-furyl or 2-thienyl.

205. (new) The taxane of claim 91 wherein X_5 is $-\text{COOX}_{10}$ and X_{10} is tert-amyl, R_{10a} is ethyl, and X_3 is 2-furyl.